

1636

OIIPE

#29

## RAW SEQUENCE LISTING

DATE: 08/21/2001

PATENT APPLICATION: US/08/930,480C

TIME: 08:22:48

Input Set : A:\st95021splt.txt

Output Set: N:\CRF3\08212001\H930480C.raw

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DEC 21 2001

RECEIVED

19

17

3 <110> APPLICANT: BRACCO, Laurent  
 4 SCHWEIGHOFFER, Fabien  
 5 TOCQUE, Bruno  
 7 <120> TITLE OF INVENTION: Conditional Expression System  
 9 <130> FILE REFERENCE: ST95021-US  
 11 <140> CURRENT APPLICATION NUMBER: 08/930,480C  
 12 <141> CURRENT FILING DATE: 1998-01-21  
 14 <150> PRIOR APPLICATION NUMBER: PCT/FR96/00477  
 15 <151> PRIOR FILING DATE: 1996-03-29  
 17 <150> PRIOR APPLICATION NUMBER: FR95/-3841  
 18 <151> PRIOR FILING DATE: 1995-03-31  
 20 <160> NUMBER OF SEQ ID NOS: 35  
 22 <170> SOFTWARE: PatentIn version 3.0  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 19  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Escherichia coli  
 29 <400> SEQUENCE: 1  
 30 tctctatcac tgataggga  
 33 <210> SEQ ID NO: 2  
 34 <211> LENGTH: 17  
 35 <212> TYPE: DNA  
 36 <213> ORGANISM: Bacteriophage lambda  
 38 <400> SEQUENCE: 2  
 39 tatcaccgca aggata  
 42 <210> SEQ ID NO: 3  
 43 <211> LENGTH: 74  
 44 <212> TYPE: PRT  
 45 <213> ORGANISM: Homo sapiens  
 47 <400> SEQUENCE: 3  
 49 Lys Lys Pro Leu Asp Gly Glu Tyr Phe Thr Leu Gln Ile Arg Gly Arg  
 50 1 5 10 15  
 52 Glu Arg Phe Glu Met Phe Arg Glu Leu Asn Glu Ala Leu Glu Leu Lys  
 53 20 25 30  
 55 Asp Ala Gln Ala Gly Lys Glu Pro Gly Gly Ser Arg Ala His Ser Ser  
 56 35 40 45  
 58 His Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu  
 59 50 55 60  
 61 Met Phe Lys Thr Glu Gly Pro Asp Ser Asp  
 62 65 70  
 64 <210> SEQ ID NO: 4  
 65 <211> LENGTH: 768  
 66 <212> TYPE: DNA  
 C--> 67 <213> ORGANISM: Artificial  
 69 <220> FEATURE:  
 70 <223> OTHER INFORMATION: ScFv against p53  
 72 <400> SEQUENCE: 4

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Input Set : A:\st95021sqli.txt

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73 ttactcgcgg cccagccggc catggcccag gtgcagctgc agcagtctgg ggcagagctt      60
75 gtaaggctcag gggcctcagt caagttgtcc tgcacagctt ctggcttcaa cattaagac      120
77 tactatatgc actgggtgaa gcagaggcct gaacagggcc tggagtggat tggatggatt      180
79 gatcctaaga atgggtgata tgaatatgcc ccgaagttcc agggcaaggc cactatgact      240
81 gcagacacat cctccaatac agcctacctg cagctcagca gcctggcatc tgaggacact      300
83 gccgtgtatt attgtaattt ttacggggat gctttggact attggggcca agggaccacg      360
85 gtcaccgtct cctcaggtgg aggcggttca ggcggaggtg gctctggcgg tggcggatcg      420
87 gatgttttga tgacccaaac tccactcact ttgtcggtta ccattggaca accagcctcc      480
89 atctcttgca agtcaagtcg gagcctcttg gatagtgatg gaaaaacata tttgaattgg      540
91 ttgttacaga ggccaggcca gtctccaaag cgcctaattc atctggtgtc taaactggac      600
93 tctggagtcg ctgacagggt cactggcagt ggatcaggga cagatttcac acttaaaatc      660
95 aacagagtgg aggctgagga tttgggagtt tattattgct ggcaaggtae acattctccg      720
97 cttacgttcg gtgctggcac caagctggaa attaaacggg cggccgca      768

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100 &lt;210&gt; SEQ ID NO: 5

101 &lt;211&gt; LENGTH: 15

102 &lt;212&gt; TYPE: PRT

C--&gt; 103 &lt;213&gt; ORGANISM: Artificial

105 &lt;220&gt; FEATURE:

106 &lt;223&gt; OTHER INFORMATION: Peptide linker (hinge)

108 &lt;400&gt; SEQUENCE: 5

110 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser

111 1 5 10 15

113 &lt;210&gt; SEQ ID NO: 6

114 &lt;211&gt; LENGTH: 10

115 &lt;212&gt; TYPE: PRT

C--&gt; 116 &lt;213&gt; ORGANISM: Artificial

118 &lt;220&gt; FEATURE:

119 &lt;223&gt; OTHER INFORMATION: Peptide linker

121 &lt;400&gt; SEQUENCE: 6

123 Pro Lys Pro Ser Thr Pro Pro Gly Ser Ser

124 1 5 10

126 &lt;210&gt; SEQ ID NO: 7

127 &lt;211&gt; LENGTH: 30

128 &lt;212&gt; TYPE: DNA

C--&gt; 129 &lt;213&gt; ORGANISM: Artificial

131 &lt;220&gt; FEATURE:

132 &lt;223&gt; OTHER INFORMATION: DNA encoding peptide linker

134 &lt;400&gt; SEQUENCE: 7

135 cccaagccca gtaccccccc aggtttctca

30

138 &lt;210&gt; SEQ ID NO: 8

139 &lt;211&gt; LENGTH: 6

140 &lt;212&gt; TYPE: PRT

C--&gt; 141 &lt;213&gt; ORGANISM: Artificial

143 &lt;220&gt; FEATURE:

144 &lt;223&gt; OTHER INFORMATION: VSV epitope (tag peptide sequence)

146 &lt;400&gt; SEQUENCE: 8

148 Met Asn Arg Leu Gly Lys

149 1 5

151 &lt;210&gt; SEQ ID NO: 9

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Input Set : A:\st95021sqli.txt

Output Set: N:\CRF3\08212001\H930480C.raw

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152 <211> LENGTH: 18
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160 atgaaccggc tgggcaag
163 <210> SEQ ID NO: 10
164 <211> LENGTH: 11
165 <212> TYPE: PRT
C--> 166 <213> ORGANISM: Artificial
168 <220> FEATURE:
169 <223> OTHER INFORMATION: myc epitope (peptide tag sequence)
171 <400> SEQUENCE: 10
173 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn
174 1 5 10
176 <210> SEQ ID NO: 11
177 <211> LENGTH: 33
178 <212> TYPE: DNA
C--> 179 <213> ORGANISM: Artificial
181 <220> FEATURE:
182 <223> OTHER INFORMATION: DNA encoding myc epitope
184 <400> SEQUENCE: 11
185 gaacaaaaac tcatttcaga agaggatctg aat
188 <210> SEQ ID NO: 12
189 <211> LENGTH: 7
190 <212> TYPE: PRT
C--> 191 <213> ORGANISM: Artificial
193 <220> FEATURE:
194 <223> OTHER INFORMATION: SV40 virus nuclear localization peptide
196 <400> SEQUENCE: 12
198 Pro Lys Lys Lys Arg Lys Val
199 1 5
201 <210> SEQ ID NO: 13
202 <211> LENGTH: 4
203 <212> TYPE: PRT
C--> 204 <213> ORGANISM: Artificial
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Repeating unit of cationic polymer
209 <400> SEQUENCE: 13
211 Leu Lys Leu Lys
212 1
214 <210> SEQ ID NO: 14
215 <211> LENGTH: 4
216 <212> TYPE: PRT
C--> 217 <213> ORGANISM: Artificial
219 <220> FEATURE:
220 <223> OTHER INFORMATION: repeating unit of cationic polymer
222 <400> SEQUENCE: 14

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## RAW SEQUENCE LISTING

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Input Set : A:\st95021sqli.txt

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224 Leu Lys Lys Leu
225 1
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228 <211> LENGTH: 23
229 <212> TYPE: DNA
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232 <220> FEATURE:
233 <223> OTHER INFORMATION: plasmid fragment
235 <400> SEQUENCE: 15
236 gatcctatca ccgcaaggga taa                23
239 <210> SEQ ID NO: 16
240 <211> LENGTH: 23
241 <212> TYPE: DNA
C--> 242 <213> ORGANISM: Artificial
244 <220> FEATURE:
245 <223> OTHER INFORMATION: pcr primer
247 <400> SEQUENCE: 16
248 agctttatcc cttgcggtga tag                23
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252 <211> LENGTH: 76
253 <212> TYPE: DNA
C--> 254 <213> ORGANISM: Artificial
256 <220> FEATURE:
257 <223> OTHER INFORMATION: pcr primer
259 <400> SEQUENCE: 17
260 ggctctagac ccaagcccag tccccccca ggttcttcaa cgcgtggatc catgtccaga    60
262 ttagataaaa gtaaag                        76
265 <210> SEQ ID NO: 18
266 <211> LENGTH: 51
267 <212> TYPE: DNA
C--> 268 <213> ORGANISM: Artificial
270 <220> FEATURE:
271 <223> OTHER INFORMATION: pcr primer
273 <400> SEQUENCE: 18
274 cgtacggaat tcgggccctt actcgaggga cccactttca catttaagtt g          51
277 <210> SEQ ID NO: 19
278 <211> LENGTH: 76
279 <212> TYPE: DNA
C--> 280 <213> ORGANISM: Artificial
282 <220> FEATURE:
283 <223> OTHER INFORMATION: pcr primer
285 <400> SEQUENCE: 19
286 ggctctagac ccaagcccag tccccccca ggttcttcaa cgcgtggatc catggaacaa    60
288 cgcataaccc tgaaag                        76
291 <210> SEQ ID NO: 20
292 <211> LENGTH: 51
293 <212> TYPE: DNA
C--> 294 <213> ORGANISM: Artificial
296 <220> FEATURE:

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Input Set : A:\st95021sqli.txt

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297 <223> OTHER INFORMATION: pcr primer
299 <400> SEQUENCE: 20
300 cgtacggaat tcgggccctt actcgagtg c tggtgtttt ttgttactcg g 51
303 <210> SEQ ID NO: 21
304 <211> LENGTH: 35
305 <212> TYPE: DNA
C--> 306 <213> ORGANISM: Artificial
308 <220> FEATURE:
309 <223> OTHER INFORMATION: pcr primer
311 <400> SEQUENCE: 21
312 caggccatgg catgaagaaa ccactggatg gagaa 35
315 <210> SEQ ID NO: 22
316 <211> LENGTH: 43
317 <212> TYPE: DNA
C--> 318 <213> ORGANISM: Artificial
320 <220> FEATURE:
321 <223> OTHER INFORMATION: pcr primer
323 <400> SEQUENCE: 22
324 cgtcgatcc tctagatgcg gccgcgtctg agtcaggccc ttc 43
327 <210> SEQ ID NO: 23
328 <211> LENGTH: 31
329 <212> TYPE: DNA
C--> 330 <213> ORGANISM: Artificial
332 <220> FEATURE:
333 <223> OTHER INFORMATION: pcr primer
335 <400> SEQUENCE: 23
336 caggctcgag aagaaaccac tggatggaga a 31
339 <210> SEQ ID NO: 24
340 <211> LENGTH: 61
341 <212> TYPE: DNA
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344 <220> FEATURE:
345 <223> OTHER INFORMATION: pcr primer
347 <400> SEQUENCE: 24
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350 a 61
353 <210> SEQ ID NO: 25
354 <211> LENGTH: 37
355 <212> TYPE: DNA
C--> 356 <213> ORGANISM: Artificial
358 <220> FEATURE:
359 <223> OTHER INFORMATION: pcr primer
361 <400> SEQUENCE: 25
362 ggtcgaattc gggccctcag tctgagtcag gcccttc 37
365 <210> SEQ ID NO: 26
366 <211> LENGTH: 29
367 <212> TYPE: DNA
C--> 368 <213> ORGANISM: Artificial
370 <220> FEATURE:

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## VERIFICATION SUMMARY

DATE: 08/21/2001

PATENT APPLICATION: US/08/930,480C

TIME: 08:22:49

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Output Set: N:\CRF3\08212001\H930480C.raw

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L:191 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12  
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L:217 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14  
L:230 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15  
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L:254 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17  
L:268 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18  
L:280 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19  
L:294 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20  
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